

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 3 of 14

Attorney's Docket No.: 07844-189002 / P168C1

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

26. (Previously presented) A computer program product, tangibly stored on a computer-readable medium, the program comprising instructions operable to cause a computer to:

present to a user a storage interface to receive location information from the user to identify a storage location identifier for a data asset to be saved;

link the storage interface to a searchable tag database of concept data elements, asset references, and associations, the concept data elements each representing a concept and having a hierarchy specified by concept hierarchy information, the asset references each comprising a storage location identifier for a corresponding one of a plurality of data assets, and the associations representing different types of relations between one of the plurality of data assets and one of the plurality of concepts represented by concept data elements;

receive from the user through the storage interface the location information for the data asset to be saved and a selection identifying a concept and a relation between the concept and the data asset to be saved; and

store in the tag database an asset reference for the data asset to be saved and creating in the tag database an association representing the identified relation between the data asset to be saved and the identified concept.

27. (Previously presented) The product of claim 26, further comprising instructions to:

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 4 of 14

Attorney's Docket No.: 07844-189002 / P168C1

receive information from the tag database identifying concepts and relations that can be selected during a "save" operation;

display the tag information to the user through a tag data interface, the tag data interface allowing the user to select tag elements to identify associations for data assets to be saved.

28. (Previously presented) The product of claim 26, further comprising instructions to:

present to the user a tag creation interface to receive information from a user to define a new concept; and

store a new concept data element representing the new concept in the tag database.

29. (Previously presented) The product of claim 28, further comprising instructions to:

receive from the user through the tag creation interface hierarchy information identifying a hierarchical relation between the new concept and the plurality of concepts; and

store concept hierarchy information representing the hierarchical relation between the new concept and the concepts represented by the concept data elements in the tag database.

30. (Previously presented) The product of claim 26, wherein the tag database further comprises a plurality of relation data elements each identifying a relation and having a hierarchy specified by relation hierarchy information, and wherein the product further comprises instructions to:

present to the user a tag creation interface to receive information from a user to define a new relation; and

store a new relation data element representing the new relation in the tag database.

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 5 of 14

Attorney's Docket No.: 07844-189002 / P168C1

31. (Previously presented) The product of claim 30, further comprising instructions to:

receive from the user through the tag creation interface hierarchy information identifying a hierarchical relation between the new relation and the plurality of relations;
store relation hierarchy information representing the hierarchical relation between the new relation and the plurality of relations in the tag database.

32. (Previously presented) The product of claim 30, wherein the tag database further comprises detail associations each representing a relation between a first and a second concept, and

the product further comprises instructions to:

receive from the user through the tag creation interface new detail association information identifying a relation between a first and a second one of the plurality of concepts;
store the new detail association information in the tag database.

33. (Previously presented) The product of claim 26, wherein the searchable tag database includes detail associations that describe relationships between concepts in the tag database, the relationships selected from a plurality of different types of relationships.

34. (Previously presented) A computer program product, tangibly stored on a computer-readable medium, the program comprising instructions operable to cause a computer to:

establish a database of concepts, asset references, and associations, the asset references each comprising a storage location identifier for a corresponding one of a plurality of data assets, each association defining a type of relationship, from a plurality of types of relationships, between a data asset and a concept.

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 6 of 14

Attorney's Docket No.: 07844-189002 / P168C1

35. (Previously presented) The product of claim 34, further comprising instructions to:

present to the user a location interface to receive location information from the user to locate a desired data asset;

link the location interface to the database;

receive from the user through the location interface a query identifying a concept and a relationship;

use the query to search the database to identify a set of data assets each having the relationship with the concept; and

present to the user information identifying the data assets in the set.

36. (Previously presented) The product of claim 35, further comprising instructions to:

receive search information from the database identifying concepts and relationships that can be searched; and

display the search information to the user through a query interface that allows the user to define the query.

37. (Previously presented) The product of claim 36, further comprising instructions to:

receive a selection from the user of a desired data asset from among the identified data assets; and

return to an application a file handle for the desired data asset.

38. (Previously presented) The product of claim 35, wherein the instructions to use the query to identify a set of data assets include instructions to find each asset reference in the database having the relationship with the concept.

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 7 of 14

Attorney's Docket No.: 07844-189002 / P168C1

39. (Previously presented) The product of claim 35, wherein the instructions to use the query to identify a set of data assets include instructions to find each asset reference in the database having the relationship with the concept and each asset reference in the database having the relationship with a hierarchical descendent of the concept.

40. (Previously presented) The product of claim 35, wherein the relationships have a hierarchy specified by relationship hierarchy information; and the instructions to use the query to identify a set of data assets include instructions to find each asset reference in the database having the relationship with the concept and each asset reference in the database having a hierarchical descendent of the relationship with the concept.

41. (Previously presented) The product of claim 35, wherein the instructions to receive from the user a query identifying a concept and a relationship include instructions to receive from the user a query further identifying a second concept and a second relationship; and wherein each data asset in the identified set of data assets having the relationship with the concept has the second relationship with the second concept.

42. (Previously presented) The product of claim 35, wherein:
the instructions to establish a database of concepts, asset references, and associations include instructions to establish a database that further comprises detail associations, each detail association representing a relationship between a first and a second concept;

the instructions to receive from the user a query that identifies a concept and a relationship includes instructions to receive from the user a query that further identifies second concept and a second relationship, the second concept and second relationship representing a detail association; and

the instructions to use the query to identify a set of data assets includes instructions to use the query to identify a set of data assets where each data asset in the identified set of data assets

Applicant : Daniel H. Craft et al.
Serial No. : 10/672,252
Filed : September 25, 2003
Page : 8 of 14

Attorney's Docket No.: 07844-189002 / P168C1

has a detail association comprising the second relationship between the concept and the second concept.

43. (Currently amended) A computer-readable media for storing a database for access by an application program, the database comprising:

one or more concepts that include links to one or more data assets that have specific relationships to an associated concept, where the relationships are selected from a plurality of possible relationships; and

where a concept describes the data asset the concept is linked to.

44. (Currently amended) The database-computer-readable media of claim 43, wherein:

the relationships having a hierarchy specified by relationship hierarchy information.